

FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOTAL SHEETS
3	MD.	N/A	3	3

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT IS LOCATED AT THE INTERSECTION OF MD 214 (CENTRAL AVENUE) AT ADDISON ROAD IN PRINCE GEORGE'S COUNTY AND INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AND RESTRIPING OF NORTHBOUND ADDISON ROAD TO PROVIDE A SECOND LEFT TURN LANE. IT IS ASSUMED THAT MD 214 RUNS IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA EIGHT (8) PHASE FULLY TRAFFIC ACTUATED MODE. THE MD 214 APPROACHES WILL OPERATE CONCURRENTLY WITH THE MD 214 LEFT TURNS OPERATING IN EXCLUSIVE/PERMITTED PHASES. THE ADDISON ROAD APPROACHES WILL OPERATE SEPARATELY.

THE EXISTING EIGHT PHASE FULLY ACTUATED CONTROLLER WILL BE MODIFIED TO ADD ONE (1) FOUR-CHANNEL DETECTOR AMPLIFIER TO ACCOMMODATE THE NEW LEFT TURN LOOP DETECTOR ON NORTHBOUND ADDISON ROAD AND THE NEW QUEUE LOOP DETECTORS ON NORTHBOUND ADDISON ROAD.

THE QUEUE LOOP DETECTOR ON NORTHBOUND ADDISON ROAD WILL CALL PHASE 3.

III. SPECIAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM GEOMETRICS PRIOR TO PLACING SIGNAL EQUIPMENT.
- THE SIGNAL SHOP WILL BE NOTIFIED TO PERFORM INTERNAL WIRING OF THE TRAFFIC SIGNAL CONTROLLER CABINET AT MD 214 AND ADDISON ROAD. ALL NEW CABLE SHALL BE IDENTIFIED AND BROUGHT INTO THE CONTROLLER BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY MR. ED RODENHIZER AT (410) 787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS WORK.
- MOT PLATES FOR THIS PROJECT WILL BE AS FOLLOWS: 104.107, 105.00, 105.01, 105.02, 105.102, 105.104, 105.106, 105.202, 105.204, 105.214, AND 107.006.

CONTACT PERSONS FOR DISTRICT NO. 3 ARE AS FOLLOWS:

MR. CHARLIE K. WATKINS
DISTRICT ENGINEER
PHONE: (301) 513-7311

MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER--TRAFFIC
PHONE: (301) 513-7358

MR. CARTER WILSON
ASSISTANT DISTRICT ENGINEER--MAINTENANCE
PHONE: (301) 513-7304

MR. SONNY LAUER
DISTRICT UTILITY ENGINEER
PHONE: (301) 513-7350

MR. RICHARD L. DAFF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

CONTACT PERSONS FOR PRINCE GEORGE'S COUNTY ARE AS FOLLOWS:

MR. ANDRE' ISSAYANS
CHIEF, DIVISION OF TRAFFIC
PHONE: (301) 883-5650

MR. JOHN J. GROEGER
SECTION CHIEF, TRAFFIC DESIGN AND PLANNING
PHONE: (301) 883-5650

THE POWER COMPANY REPRESENTATIVE IS AS FOLLOWS:

MR. RON BEESON
PEPCO
8300 OLD MARLBORO PIKE
UPPER MARLBORO, MD 20772
PHONE: (301) 967-5325

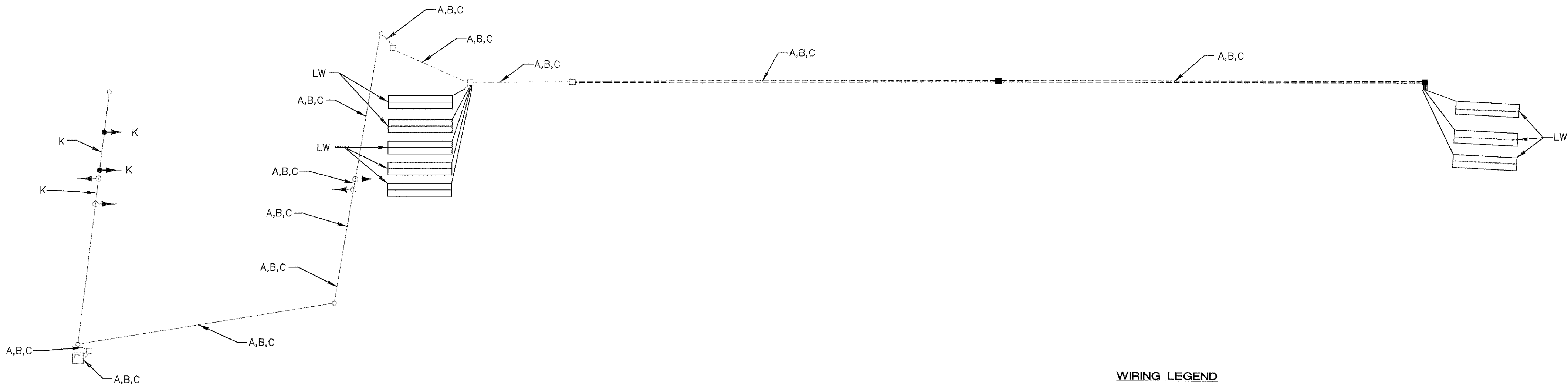
EQUIPMENT LISTS

A. Equipment to be supplied by S.H.A. and installed by the Contractor.

QUANTITY	UNIT	DESCRIPTION
1	EA	Detector Amplifier 4-Ch. Rack Mount
1	EA	12" one-way, three-section (R, Y, G) traffic signal head having proper adjustable span wire mounting bracket, balance adjusters and tunnel visors
5	EA	12" one-way, four-section (R, Y, G, GA) traffic signal head having proper adjustable span wire mounting bracket, balance adjusters and tunnel visors
23	SF	Flat sheet aluminum sign with span wire

B. Equipment to be furnished and installed by the Contractor.

QUANTITY	UNIT	DESCRIPTION
2	EA	Handhole
20	LF	1" liquid tight flexible non-metallic conduit for detector sleeve
400	LF	2" Schedule 40 rigid PVC conduit (trenched)
3100	LF	Loop wire (No. 14 A.W.G.) encased in 1/4" flexible tubing
2600	LF	2-conductor electrical cable (aluminum shielded, No. 14 A.W.G.)
175	LF	5-conductor electrical cable (No. 14 A.W.G.)
900	LF	Sawcut
1	EA	As-built for Traffic Signal (CAD) Microstation



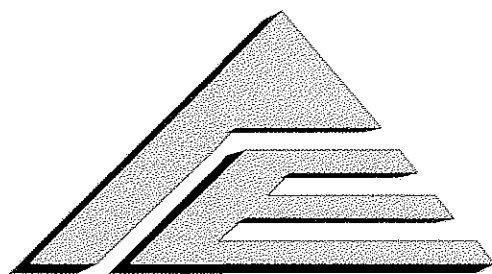
WIRING DIAGRAM

WIRING LEGEND

- A - 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
B - 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
C - 2 CONDUCTOR CABLE (ALUMINUM SHIELDED)
K - 5 CONDUCTOR CABLE (NO. 14 A.W.G.)
LW - LOOP WIRE

UTILITY LEGEND

- G — G — GAS MAIN
— W — W — WATER MAIN
— S — S — SEWER MAIN
===== STORM DRAIN
— TV — TV — CABLE TELEVISION
— E — E — ELECTRIC CABLES
— T — T — TELEPHONE CABLES
— A — A — AERIAL CABLES



REVISION 'G'
A/E GROUP, INC.
ENGINEERS • PLANNERS
11409 Cronhill Drive
Owings Mills, Maryland 21117
A/E Job No. 96-316

REVISIONS	APPROVALS	MDOT - STATE HIGHWAY ADMINISTRATION			
		<i>Office of Traffic & Safety</i>			
		TRAFFIC ENGINEERING DESIGN DIVISION			
		DRAWN BY: J. HOYAS		F.H. SIGNAL # 16237	
		DES. BY:		SIGNAL # 16021400.87	
		CHK. BY: S. RENZI		GENERAL INFORMATION	
		DATE: 8/17/82		COUNTY: PRINCE GEORGE'S	
		SCALE: NOT TO SCALE		TS/STD. NO. MD 214 AT ADDISON ROAD	
		F.A.P. NO.		SHEET NO. 3 OF 3	
		S.H.A. NO. BW963M82		TS-25G-GI	